Anna ArÃ- s

List of Publications by Year
in descending order

74 papers	2,014 citations	257101 24 h-index	264894 42 g-index
76 all docs	76 docs citations	76 times ranked	1924 citing authors

#	Article	IF	Citations
1	of Inclusion Produced in Bacteria and Yeast. Methods in Molecular Biology, 2022, 2406, 401-416.	0.4	1
2	Nondenaturing Solubilization of Inclusion Bodies from Lactic Acid Bacteria. Methods in Molecular Biology, 2022, 2406, 389-400.	0.4	3
3	Potential of Oral Nanoparticles Containing Cytokines as Intestinal Mucosal Immunostimulants in Pigs: A Pilot Study. Animals, 2022, 12, 1075.	1.0	3
4	Exploring the impact of the recombinant Escherichia coli strain on defensins antimicrobial activity: BL21 versus Origami strain. Microbial Cell Factories, 2022, 21, 77.	1.9	6
5	Selecting Subpopulations of High-Quality Protein Conformers among Conformational Mixtures of Recombinant Bovine MMP-9 Solubilized from Inclusion Bodies. International Journal of Molecular Sciences, 2021, 22, 3020.	1.8	8
6	Effects of Flavonoids Extracted from Citrus aurantium on Performance, Behavior, and Rumen Gene Expression in Holstein Bulls Fed with High-Concentrate Diets in Pellet Form. Animals, 2021, 11, 1387.	1.0	9
7	The Potential of Metalloproteinase-9 Administration to Accelerate Mammary Involution and Boost the Immune System at Dry-Off. Animals, 2021, 11, 3415.	1.0	1
8	Sequence edition of single domains modulates the final immune and antimicrobial potential of a new generation of multidomain recombinant proteins. Scientific Reports, 2021, 11, 23798.	1.6	2
9	Aggregation-prone peptides modulate activity of bovine interferon gamma released from naturally occurring protein nanoparticles. New Biotechnology, 2020, 57, 11-19.	2.4	11
10	Potential of MMP-9 based nanoparticles at optimizing the cow dry period: pulling apart the effects of MMP-9 and nanoparticles. Scientific Reports, 2020, 10, 11299.	1.6	11
11	Exploring the use of leucine zippers for the generation of a new class of inclusion bodies for pharma and biotechnological applications. Microbial Cell Factories, 2020, 19, 175.	1.9	11
12	In Vivo Bactericidal Efficacy of GWH1 Antimicrobial Peptide Displayed on Protein Nanoparticles, a Potential Alternative to Antibiotics. Pharmaceutics, 2020, 12, 1217.	2.0	10
13	Recombinant Protein-Based Nanoparticles: Elucidating Their Inflammatory Effects In Vivo and Their Potential as a New Therapeutic Format. Pharmaceutics, 2020, 12, 450.	2.0	9
14	A new generation of recombinant polypeptides combines multiple protein domains for effective antimicrobial activity. Microbial Cell Factories, 2020, 19, 122.	1.9	19
15	The Biological Potential Hidden in Inclusion Bodies. Pharmaceutics, 2020, 12, 157.	2.0	19
16	Short communication: Recombinant mammary serum amyloid A3 as a potential strategy for preventing intramammary infections in dairy cows at dryoff. Journal of Dairy Science, 2020, 103, 3615-3621.	1.4	4
17	Citrus aurantium flavonoid extract improves concentrate efficiency, animal behavior, and reduces rumen inflammation of Holstein bulls fed high-concentrate diets. Animal Feed Science and Technology, 2019, 258, 114304.	1.1	14
18	Changes in gene expression in the rumen and colon epithelia during the dry period through lactation of dairy cows and effects of live yeast supplementation. Journal of Dairy Science, 2018, 101, 2631-2640.	1.4	36

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19	Effect of metritis on endometrium tissue transcriptome during puerperium in Holstein lactating cows. Theriogenology, 2018, 122, 116-123.	0.9	10
20	A new approach to obtain pure and active proteins from Lactococcus lactis protein aggregates. Scientific Reports, 2018, 8, 13917.	1.6	32
21	Pre-calving Intravaginal Administration of Lactic Acid Bacteria Reduces Metritis Prevalence and Regulates Blood Neutrophil Gene Expression After Calving in Dairy Cattle. Frontiers in Veterinary Science, 2018, 5, 135.	0.9	29
22	Getting value from the waste: recombinant production of a sweet protein by Lactococcus lactis grown on cheese whey. Microbial Cell Factories, 2018, 17, 126.	1.9	16
23	Effects of intravaginal lactic acid bacteria on bovine endometrium: Implications in uterine health. Veterinary Microbiology, 2017, 204, 174-179.	0.8	22
24	Trends in recombinant protein use in animal production. Microbial Cell Factories, 2017, 16, 40.	1.9	40
25	Influence of milk processing temperature on growth performance, nitrogen retention, and hindgut's inflammatory status and bacterial populations in a calf model. Journal of Dairy Research, 2017, 84, 355-359.	0.7	10
26	Effects of Peptein supplementation on ruminal microbiota and in situ feed degradability in dairy cows. Animal Feed Science and Technology, 2017, 231, 89-96.	1.1	0
27	Associations between subclinical hypocalcemia and postparturient diseases in dairy cows. Journal of Dairy Science, 2017, 100, 7427-7434.	1.4	105
28	A combination of lactic acid bacteria regulates Escherichia coli infection and inflammation of the bovine endometrium. Journal of Dairy Science, 2017, 100, 479-492.	1.4	43
29	Consequences of supplying methyl donors during pregnancy on the methylome of the offspring from lactating and non-lactating dairy cattle. PLoS ONE, 2017, 12, e0189581.	1.1	7
30	Functional protein-based nanomaterial produced in microorganisms recognized as safe: A new platform for biotechnology. Acta Biomaterialia, 2016, 43, 230-239.	4.1	42
31	Potential of lactic acid bacteria at regulating Escherichia coli infection and inflammation of bovine endometrium. Theriogenology, 2016, 85, 625-637.	0.9	30
32	Is calcitonin an active hormone in the onset and prevention of hypocalcemia in dairy cattle?. Journal of Dairy Science, 2016, 99, 3023-3030.	1.4	17
33	Fattening Holstein heifers by feeding high-moisture corn (whole or ground) ad libitum separately from concentrate and straw1. Journal of Animal Science, 2015, 93, 4903-4916.	0.2	12
34	Short communication: The effects of cabergoline administration at dry-off of lactating cows on udder engorgement, milk leakages, and lying behavior. Journal of Dairy Science, 2015, 98, 7097-7101.	1.4	24
35	Mammary serum amyloid A3 activates involution of the mammary gland in dairy cows. Journal of Dairy Science, 2014, 97, 7595-7605.	1.4	15
36	Overexpression of the nuclear factor kappaB inhibitor A20 is neurotoxic after an excitotoxic injury to the immature rat brain. Neurological Research, 2013, 35, 308-319.	0.6	6

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37	Effects of forage provision to young calves on rumen fermentation and development of the gastrointestinal tract. Journal of Dairy Science, 2013, 96, 5226-5236.	1.4	129
38	New flow-through analytical system based on ion-selective field effect transistors with optimised calcium selective photocurable membrane for bovine serum analysis. Talanta, 2013, 113, 31-35.	2.9	7
39	Recombinant Expression of Goat Milk Serum Amyloid A: Preliminary Studies of the Protein and Derived Peptides on Macrophage Phagocytosis. Protein and Peptide Letters, 2012, 19, 299-307.	0.4	9
40	Effects of an extract of plant flavonoids (Bioflavex) on rumen fermentation and performance in heifers fed high-concentrate diets1. Journal of Animal Science, 2012, 90, 4975-4984.	0.2	94
41	Heat identification by 17Î²-estradiol and progesterone quantification in individual raw milk samples by enzyme immunoassay. Electronic Journal of Biotechnology, 2011, 14, .	1.2	8
42	Effects of ring castration with local anesthesia and analgesia in Holstein calves at 3 months of age on welfare indicators1. Journal of Animal Science, 2010, 88, 2789-2796.	0.2	37
43	Comparison of commercially-available RNA extraction methods for effective bacterial RNA isolation from milk spiked samples. Electronic Journal of Biotechnology, 2010, 13, 0-0.	1.2	9
44	Amyloid-linked cellular toxicity triggered by bacterial inclusion bodies. Biochemical and Biophysical Research Communications, 2007, 355, 637-642.	1.0	22
45	The conformational quality of insoluble recombinant proteins is enhanced at low growth temperatures. Biotechnology and Bioengineering, 2007, 96, 1101-1106.	1.7	189
46	RGD domains neuroprotect the immature brain by a glialâ€dependent mechanism. Annals of Neurology, 2007, 62, 251-261.	2.8	18
47	Allosteric molecular sensing of anti-HIV antibodies by an immobilized engineered Î²-galactosidase. Enzyme and Microbial Technology, 2007, 41, 492-497.	1.6	3
48	Localization of Functional Polypeptides in Bacterial Inclusion Bodies. Applied and Environmental Microbiology, 2007, 73, 289-294.	1.4	102
49	Cellular toxicity triggered by bacterial inclusion bodies. Microbial Cell Factories, 2006, 5, P9.	1.9	0
50	Title is missing!. Microbial Cell Factories, 2006, 5, P43.	1.9	0
51	Performance of beta-galactosidase inclusion bodies in enzymatic bioprocesses. Microbial Cell Factories, 2006, 5, P14.	1.9	0
52	Comparative analysis of E. coli inclusion bodies and thermal protein aggregates. Microbial Cell Factories, 2006, 5, P16.	1.9	1
53	Insertional protein engineering for analytical molecular sensing. Microbial Cell Factories, 2006, 5, 15.	1.9	26
54	The chaperone DnaK controls the fractioning of functional protein between soluble and insoluble cell fractions in inclusion body-forming cells. Microbial Cell Factories, 2006, 5, 26.	1.9	38

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55	High-throughput, functional screening of the anti-HIV-1 humoral response by an enzymatic nanosensor. Molecular Immunology, 2006, 43, 2119-2123.	1.0	14
56	Neuroprotection from NMDA excitotoxic lesion by Cu/Zn superoxide dismutase gene delivery to the postnatal rat brain by a modular protein vector. BMC Neuroscience, 2006, 7, 35.	0.8	32
57	Enhanced molecular recognition signal in allosteric biosensing by proper substrate selection. Biotechnology and Bioengineering, 2006, 94, 193-199.	1.7	7
58	Folding of a misfolding-prone Î²-galactosidase in absence of DnaK. Biotechnology and Bioengineering, 2005, 90, 869-875.	1.7	35
59	Lon and ClpP proteases participate in the physiological disintegration of bacterial inclusion bodies. Journal of Biotechnology, 2005, 119, 163-171.	1.9	31
60	Bacterial inclusion bodies are cytotoxic in vivo in absence of functional chaperones DnaK or GroEL. Journal of Biotechnology, 2005, 118, 406-412.	1.9	35
61	Engineering the E. coli Î²-galactosidase for the screening of antiviral protease inhibitors. Biochemical and Biophysical Research Communications, 2005, 329, 453-456.	1.0	3
62	Aggregation as bacterial inclusion bodies does not imply inactivation of enzymes and fluorescent proteins. Microbial Cell Factories, 2005, 4, 27.	1.9	266
63	Modular protein engineering for non-viral gene therapy. Trends in Biotechnology, 2004, 22, 371-377.	4.9	50
64	Profiling the allosteric response of an engineered Î²-galactosidase to its effector, anti-HIV antibody. Biochemical and Biophysical Research Communications, 2004, 314, 854-860.	1.0	15
65	Engineering nuclear localization signals in modular protein vehicles for gene therapy. Biochemical and Biophysical Research Communications, 2003, 304, 625-631.	1.0	33
66	Nonviral Gene Delivery to the Central Nervous System Based on a Novel Integrin-Targeting Multifunctional Protein. Human Gene Therapy, 2003, 14, 1215-1223.	1.4	23
67	Efficient Accommodation of Recombinant, Foot-and-Mouth Disease Virus RGD Peptides to Cell-Surface Integrins. Biochemical and Biophysical Research Communications, 2001, 285, 201-206.	1.0	14
68	Cell lysis in Escherichia coli cultures stimulates growth and biosynthesis of recombinant proteins in surviving cells. Microbiological Research, 2001, 156, 13-18.	2.5	18
69	Exploiting viral cell-targeting abilities in a single polypeptide, non-infectious, recombinant vehicle for integrin-mediated DNA delivery and gene expression. , 2000, 68, 689-696.		30
70	Molecular Organization of Proteinâ€"DNA Complexes for Cell-Targeted DNA Delivery. Biochemical and Biophysical Research Communications, 2000, 278, 455-461.	1.0	30
71	Heat-inactivation of plasmid-encoded CI857 repressor induces gene expression from IndÃ¢Â^Â’lambda prophage in recombinantEscherichia coli. FEMS Microbiology Letters, 1999, 177, 327-334.	0.7	4
72	Distinct chaperone affinity to folding variants of homologous recombinant proteins. Biotechnology Letters, 1999, 21, 531-536.	1.1	6

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73	A cell adhesion peptide from foot-and-mouth disease virus can direct cell targeted delivery of a functional enzyme. , 1998, 59, 294-301.		7
74	The expression of recombinant genes from bacteriophage lambda strong promoters triggers the SOS response inEscherichia coli. , 1998, 60, 551-559.		31